SPECTROLINE®

ULTRAVIOLET EQUIPMENT

Spectroline ultraviolet products reflect the highest standards of quality, reliability and performance. Over 200 models of UV lamps, viewing cabinets, transilluminators and radiometers are available to fit your precise application.

For more than 30 years, Spectronics Corporation has continuously combined the finest components with meticulous engineering to earn us recognition as the leader in ultraviolet technology. This is backed up with fast delivery and local customer support through our worldwide network of over 800 Spectroline distributors. Contact us today for further information.

High Intensity Lamps

These powerful units set new industry standards for UV irradiance. Thirteen models are available which offer long wave or short wave UV intensities unmatched by any other competitive lamps. UL listed and CSA approved.

Battery Operated Lamps

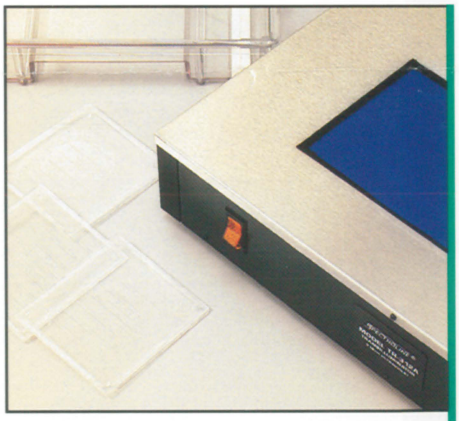
Perfect where line voltage is inaccessible, these lightweight lamps assure maximum portability. Four models are available, offering long wave or short wave UV. They use either alkaline or NiCad batteries.

Hand-Held Lamps

Our E-Series line offers 26 compact light sources providing various combinations of long, medium and short wave UV (365, 312 and 254nm, respectively). These anodized aluminum lamps are lightweight and extremely rugged. Accessories include a comfortable carrying handle and a lamp stand for convenient, hands-free operation. UL listed and CSA approved.

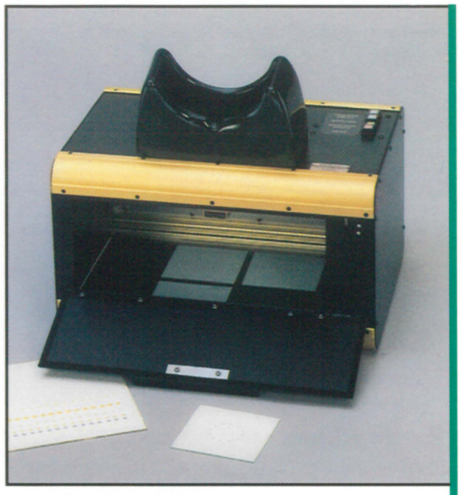
Magnifier Lamps

The Q-Series lamps feature a built-in, 3-power magnifier lens for the detection of even trace amounts of fluorescence. There are twelve models to choose from, each offering a different combination of long wave, short wave and white light. Available with a pedestal stand or flexible arm. UL listed and CSA approved.



Transilluminators

All 18 of our UV transilluminators provide maximum fluorescent response for nanogram sensitivity with minimal photodamage to samples. Six series are available, each offering 365, 312 and 254nm wavelength versions. Each features a different filter size to accommodate all standard electrophoresis gels and TLC plates. UL listed and CSA approved.



Viewing Cabinets

These units are ideal portable "darkrooms" for all applications requiring high contrast fluorescence analysis. Thirteen different cabinets are available in your choice of long, medium and/or short wave UV. UL listed.

Bench and Display Lamps

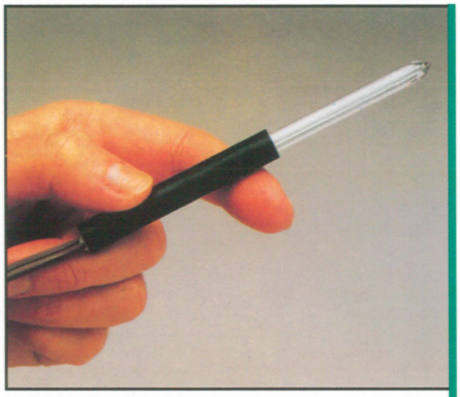
Our X-Series lamps are ideally suited for applications where high intensity, wide area UV coverage is required. Constructed of rugged metal, these units are available in 18 models offering various combinations of long, medium and short wave UV. UL listed.

Digital Radiometers

These meters assure easy measurement of UV sources with unmatched accuracy and reliability. All 16 units use high quality interference filters that eliminate sensitivity to infrared and other unwanted radiations. They feature excellent linearity and cosine response.

Photo-Documentation Systems

These two UV viewing systems feature a modular design which allows you to vary UV wavelengths with interchangeable lamps and maximize fluorescent contrast by adding a UV transilluminator. Custom "snap-on" camera adapters allow easy attachment of Polaroid and 35mm SLR cameras for instant photo-documentation. UL listed.



Miniature Pencil Lamps

These extremely small light sources, available in either long wave or short wave UV models, are made of double-bore quartz material. There are three standard versions, each noted for its long life and spectral specificity. We also manufacture custom-designed UV lamps for OEM applications.

UV-Absorbing Eye and Face Wear

Specially designed to protect the user against most UV sources. Attractive and durable, our spectacles and goggles fit easily over regular eyeglasses, while our face shield is adjustable to fit all sizes and has a visor that can be pivoted off the face.

SPECTRONICS CORPORATION
956 Brush Hollow Road, P.O. Box 483
Westbury, New York 11590
(Tel.) 516-333-4840 • (Fax) 516-333-4859
(TWX) 510-222-5877 SPECTRON

DISTRIBUTED BY:

A87055-2
PRINTED IN U.S.A.

Accessories for 100-Watt and 125-Watt SPECTROLINE® Black Light Lamps

HGS-100 and HGS-120 Heat Guard/Stands

Compatible Lamps

HGS-100 — MB-100 Series, SB-100 Series, SB-100C Series, SB-100Y

HGS-120 — BIB-120 Series

These stainless steel heat guard/stands make lamp operation safer by protecting against accidental burn injury. Special insulators keep them from touching the lamp housing, thus minimizing heat conduction.

The HGS-100 and HGS-120 help prevent mechanical shock damage, resulting in substantial savings on bulb and filter replacement costs.

In addition, the HGS-100 and HGS-120 act as a stand so that the lamp head may be placed filter-side down on a level surface without damage to the lamp.

FA-100 Flexible Arm

BIB-120 Series, MB-100 Series, SB-100 Series, SB-100C Series, SB-100Y, SB-125 Series

Designed for maximum versatility, the FA-100 measures 24" (61cm) when fully extended, and allows 360° rotation of the lamp head. It is ruggedly constructed of cast aluminum. The lamp head attaches to an adjustable pin on the FA-100 that can be pivoted as desired and locked into any horizontal or vertical position.

The flexible arm may be used with the Spectroline W-6 Wall Mount or the B-6 Bench Mount (both separately available). The W-6 attaches easily to a wall and utilizes a stationary pin to mount the arm. The B-6 also has a stationary pin, attached to a 36" (91cm) pole that may be secured to a bench. The FA-100 can be adjusted to any height on the pole.

WM-100 Wall Mount

BIB-120 Series, MB-100 Series, SB-100 Series, SB-100C Series, SB-100Y, SB-125 Series

The WM-100 is a sturdy bracket for wall mounting of the lamp head. It is equipped with an adjustable pin for total flexibility. Simply affix the stainless steel bracket to a wall and place the lamp head on the pin. Now, the lamp head may be locked into any horizontal or vertical position desired by means of a quick rotation of the adjustable pin.

AD-150SH Spot Adapter Shield

BIB-120 Series, MB-100 Series, SB-100 Series, SB-100C Series, SB-100Y

The AD-150SH directs a precise beam from the lamp and shields any stray radiation which might be distracting to the viewer. It is especially useful for directing the ultraviolet beam onto a microscopic stage for fluorescence analysis. This anodized aluminum shield fastens onto the lamp head in seconds and is easily removable.

The diameter of the aperture of the AD-150SH is $1\frac{7}{8}$" (4.8cm).

CC-120 and CC-250 Carrying Cases

CC-120 — BIB-120, BIB-120X, MB-100, MB-100X, SB-100, SB-100X, SB-100C, SB-100CX, SB-100Y, SB-125, SB-125X

CC-250 — BIB-120, BIB-120X, MB-100 Series, SB-100 Series, SB-100C Series, SB-100Y, SB-125 Series

Both the CC-120 and CC-250 are convenient for lamp transport and storage. The CC-250 is constructed of painted aluminum and provides ample room for the lamp plus accessories, tools, a spare bulb, etc. The plastic CC-120 is lightweight and compact, making it easy to carry and store.

The dimensions of the CC-120 are 11½W x 19L x 10½" H (29.2W x 48.3L x 26.7cmH), while the CC-250 measures 10W x 21¾L x 13¼" H (25.4W x 55.2L x 33.7cmH).

SPECTRONICS CORPORATION
956 Brush Hollow Road, P.O. Box 483
Westbury, New York 11590
(Tel.) 516-333-4840 • (Fax) 516-333-4859
(TWX) 510-222-5877 SPECTRON

DISTRIBUTED BY:

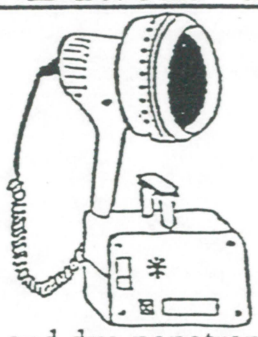
A87121-2
PRINTED IN U.S.A.

DAVID
R4I
Rich

Radiation Health Protetion

TIP SHEET

Magnetic Particle/Dye Penetrant Inspection Black Lights



Protection Precautions

Black lights used for magnetic particle and dye penetrant inspections emit ultraviolet (UV) radiation. Overexposure to this radiation can cause sunburn-like injuries to the skin and eyes. To avoid the risk of irritation, observe the following precautions with every use:

- Check any separate filters used with the black lights for cracks.
- If any white spots appear on the filter when the lamp is on, remove the tool from service for replacement of the filter.
- Do not look directly into the black light without protective eyewear.
- Clear, standard, Boeing safety glasses with side shields are adequate protection of the eyes from ultraviolet radiation.
- Avoid direct, prolonged exposure of unprotected skin to the radiation.
- Densely woven garments and the standard white gloves are adequate protection of the skin from ultraviolet radiation.
- Photosensitive individuals may need to apply sunscreen to any exposed unprotected skin areas. Sunscreen shall not be used instead of protective clothing such as gloves.

Momentary or incidental exposure to the ultraviolet radiation will not cause injury either to the eye or to the skin. For more direct or prolonged exposure, however, safety glasses and skin protection are required. If skin or eyes become irritated following the use of a black light, report directly to Medical. Then, notify Radiation Health Protection for evaluation of the hazard.

Approved by Radiation Health Protection

W. E. Morgan

W. E. Morgan, Manager

For further information, contact:
Radiation Health Protection at 393-8250
or your local safety office.

Rev. 10/18/90